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[§§ 12090 to 12128.]

[Issued with Army Orders, dated 1st April, 1904.]

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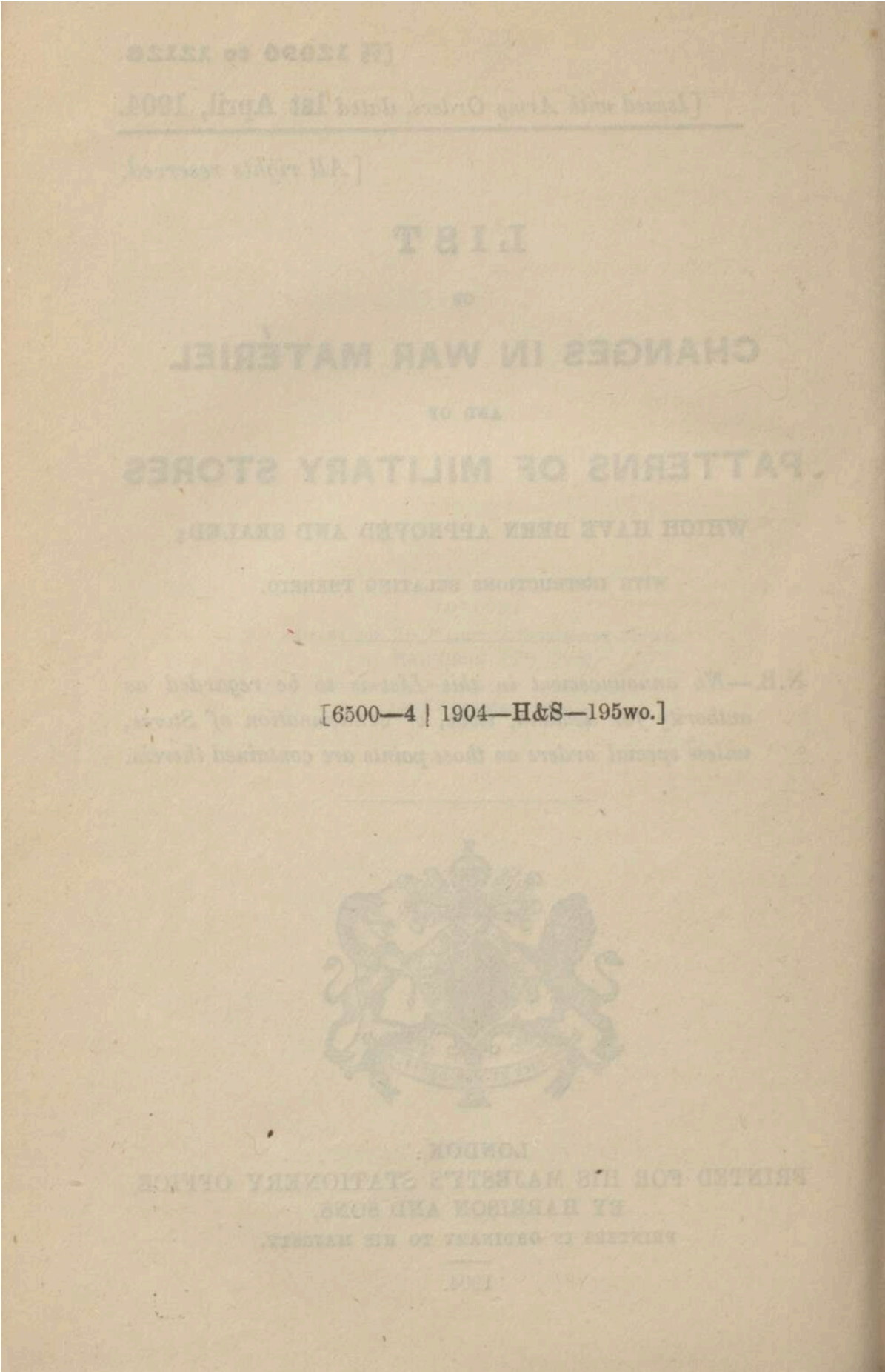
LIST
OF
CHANGES IN WAR MATÉRIEL
AND OF
PATTERNS OF MILITARY STORES
WHICH HAVE BEEN APPROVED AND SEALED;
WITH INSTRUCTIONS RELATING THERETO.

N.B.—No announcement in this List is to be regarded as authority for demand, issue, or condemnation of Stores, unless special orders on those points are contained therein.



LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY HARRISON AND SONS,
PRINTERS IN ORDINARY TO HIS MAJESTY.

1904.



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V

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653

1st April, 1904.

[§§ 12090 to 12128.]

12090.—Fuze scale.

A fuze scale, as under, has been prepared and issued to officers concerned—

23rd Jan. 1904.

40

W.O. Pubns.

18

For 4·7-inch Q.F. guns, Marks I. to IV.*—

Fuze—time and percussion, No. 62, Mark I., § 11874.

Charge—5 lb. 7 oz. cordite, Mark I., size 20.

(WEEDON SECTION.)

12091.—Rifle, short, magazine,
Lee-Enfield, converted,
Mark I.

L

Converted from "Rifle,
magazine, Lee-Metford,
Mark I.*"

Fitting of new pattern bolt head.

With reference to § 11948:—An improved method of converting the bolt of the above-mentioned rifle has been approved.

2nd Nov. 1903.

7669

8792

It consists in boring the front end of the bolt to receive a threaded bush, which is fixed by a portion of the original bolt-head screw, the bush and screw being brazed in. This method of conversion enables a bolt head common to all "Rifles, short, M.L.E.," to be used.

26th Feb. 1904.

84

P

2779

The paragraphs regarding the bolt, and list of components special to the above-mentioned rifle, in § 11948, should now read as follows:—

Bolt.—The bolt has the cover stops and a portion of the top of the rib removed; the cover and bolt-head screw holes filled in.

The following components will now be special to this rifle:—

† Body.

† Bolt.

† Stock, butt.

† Stock, fore end.

† Components marked thus are converted from "Rifle, M.L.M., Mark I.*"

(195)

A

654

(WOOLWICH SECTIONS, NOS. 3 AND 4.)

12092.--Wagons, ambulance.

Wagons, general service.

Carts, forage.

Carts, water tank.

Dimensions of "Red Cross."

2nd June 1903.

26th Oct. 1903.

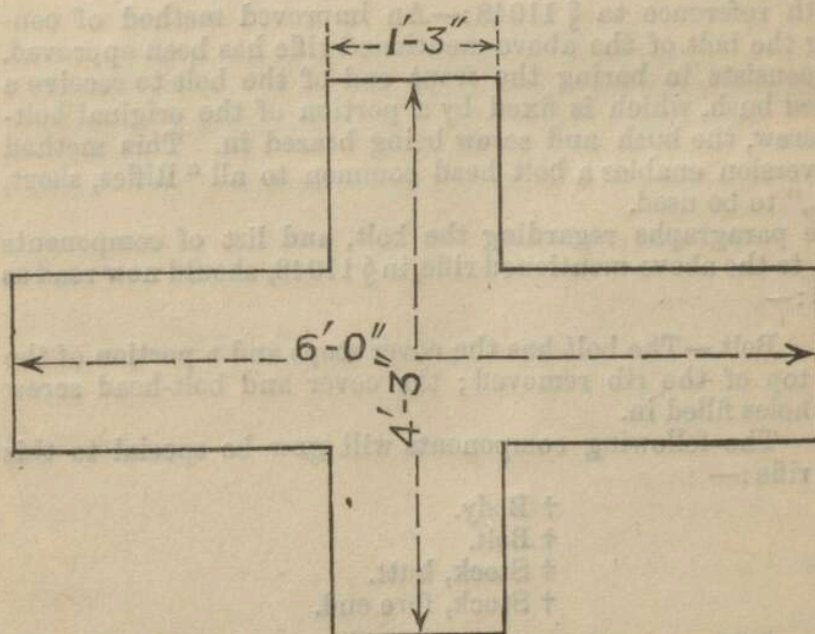
57

Gen. No.

3440

In order that vehicles forming part of a medical unit may be more readily identified than at present, a "red cross" of increased size will in future be painted on each side of wagons and carts, in the positions and to the dimensions detailed below—

				Position.	Dimensions.
					ft. in. ft. in.
Wagons, ambulance—					
Except Mark VI. . .	..	..	..	On cover ..	6 0 by 4 3
Mark VI. . .	..	..	..	On curtain..	3 6 by 2 6
Wagons, G.S. . .	..	..	..	On cover ..	6 0 by 4 3
Cart, forage . .	..	..	..	On cover ..	5 6 by 3 6
Cart, water tank . .	..	..	..	On tank ..	1 8 by 1 8



TYPICAL

The cross will be painted on the covers of ambulance wagons before issue, and on the covers of G.S. wagons and forage carts, and on carts, water tank (when they form part of a field service medical unit), as required.

Existing ambulance wagons, and carts and wagons forming part of a field service medical unit, will have the red cross painted on locally in accordance with the accompanying "typical" drawing (page 654).

(WOOLWICH SECTIONS, Nos. 4, 14, AND 15.)

12093.—Carts, sling.

Wagons, platform.

Wagons, sling

No more to be provided.

No more of the above-mentioned carts and wagons will be made, and so soon as the existing stock is used up they will (together with all stores special for transporting carriages, &c.) become obsolete.

14th July 1903.

4th Nov. 1903.

57

Gen. No.

4286

(WOOLWICH SECTION, No. 4.)

12094.—Wagon, general service,

Mark IX.

New pattern axletree bed.

In future manufacture the axletree bed of wagons of the above-mentioned description (§ 11335) will be of a strengthened pattern.

28th July 1903.

71

1

2897

Existing wagons will be fitted with axletree beds of the strengthened pattern locally, in accordance with instructional print R.C.D. 1123, which, together with the undermentioned stores, will be supplied to officers concerned on demand.

Stores per wagon.

	No.
Bed, axletree, 47½ inches by 5¼ inches by 3½ inches...	1
Bolts, with nuts, countersunk head, square ½ inch by 10¾ inches	2
(195)	A 2

656

(WOOLWICH SECTION, No. 5.)

12095.—Harness and saddlery—

Whip, hand, Mark III. .. Or riding.

Whip, longeing, Mark III. Riding school, drop
thong.

30th Dec. 1903.

57

Gen. No.

4500

Patterns of the above-mentioned whips have been sealed to govern future manufacture.

Whip, hand, Mark III.

This differs from the Mark II. pattern (§ 10287) in having a whalebone instead of a steel core; it is, therefore, similar to Mark I., but pointed with a whipcord lash, instead of a silk and leather one.

The lashes, when broken, are to be renewed by the regimental saddler from the whipcord supplied annually, under Equipment Regulations, Part I., Appendix XIV.

Hand whips are not to be used without lashes, as the eye for lash and the plaiting quickly deteriorates, rendering them unserviceable.

Whip, longeing, Mark III.

This is identical with Mark I. (not published in *List of Changes*), having a whalebone centre, instead of a steel wire core, as in Mark II. (§ 10287).

(WOOLWICH SECTION, No. 13.)

12096.—Bolts, with nuts.

Rivets.

List of "Bolts, with nuts," and "Rivets,"
for future supplies.

10th Nov. 1903.

12th Feb. 1904.

57

Gen. No.

3897

"Bolts, with nuts," and "Rivets," in future supply, will be to the descriptions and sizes detailed below. "Bolts, with nuts," or "Rivets" of other sizes will only be supplied in very special instances.

Bolts, with nuts:—

Steel.

Bosshead—

$\frac{1}{2}$ inch	×	$\left\{ \begin{array}{l} 7\frac{5}{8} \text{ inches} \dots \\ 5\frac{3}{4} \text{ inches} \dots \end{array} \right.$	L
$\frac{3}{8}$ inch	×	6 inches ...	L

657

Bolts, with nuts:—

Bosshead, V—

$\frac{1}{2}$ inch	×	$\left\{ \begin{array}{l} 4\frac{3}{4} \text{ inches} \dots \\ 2 \text{ inches} \dots \end{array} \right.$	L
$\frac{3}{8}$ inch	×	$\left\{ \begin{array}{l} 3\frac{1}{2} \text{ inches} \dots \\ 2 \text{ inches} \dots \end{array} \right.$	L

Countersunk head—

$\frac{3}{4}$ inch	×	$\left\{ \begin{array}{l} 3\frac{3}{8} \text{ inches} \dots \\ 2\frac{1}{2} \text{ inches} \dots \\ 4 \text{ inches} \dots \end{array} \right.$	L
$\frac{1}{2}$ inch	×	$\left\{ \begin{array}{l} 2\frac{1}{2} \text{ inches} \dots \\ 2 \text{ inches} \dots \\ 5 \text{ inches} \dots \end{array} \right.$	L
$\frac{3}{8}$ inch	×	$\left\{ \begin{array}{l} 3\frac{1}{4} \text{ inches} \dots \\ 2 \text{ inches} \dots \\ 1 \text{ inch} \dots \end{array} \right.$	L
$\frac{5}{16}$ inch	×	$1\frac{3}{4} \text{ inches} \dots$	L

Countersunk head, bevelled—

$\frac{1}{2}$ inch	×	$\left\{ \begin{array}{l} 4\frac{3}{4} \text{ inches} \dots \\ 2\frac{1}{2} \text{ inches} \dots \end{array} \right.$	L
$\frac{3}{8}$ inch	×	$\left\{ \begin{array}{l} 4\frac{1}{4} \text{ inches} \dots \\ 2\frac{1}{2} \text{ inches} \dots \end{array} \right.$	L

Countersunk head, V—

$\frac{1}{2}$ inch	×	$2 \text{ inches} \dots$	L
$\frac{1}{16}$ inch	×	$\frac{3}{4} \text{ inch} \dots$	L

Hexagon head—

$1\frac{1}{8}$ inches	×	$3\frac{1}{2} \text{ inches} \dots$	L
1 inch	×	$14 \text{ inches} \dots$	L
$\frac{7}{8} \text{ inch}$	×	$3\frac{1}{4} \text{ inches} \dots$	L
$\frac{3}{4} \text{ inch}$	×	$\left\{ \begin{array}{l} 14 \text{ inches} \dots \\ 12 \text{ inches} \dots \\ 8 \text{ inches} \dots \\ 4\frac{1}{4} \text{ inches} \dots \\ 3\frac{1}{4} \text{ inches} \dots \\ 2\frac{1}{2} \text{ inches} \dots \end{array} \right.$	L
$\frac{5}{8} \text{ inch}$	×	$\left\{ \begin{array}{l} 6 \text{ inches} \dots \\ 2\frac{5}{8} \text{ inches} \dots \\ 12 \text{ inches} \dots \\ 6 \text{ inches} \dots \\ 4\frac{5}{8} \text{ inches} \dots \\ 4 \text{ inches} \dots \\ 3\frac{3}{4} \text{ inches} \dots \\ 1\frac{3}{4} \text{ inches} \dots \end{array} \right.$	L
$\frac{1}{2} \text{ inch}$	×	$\left\{ \begin{array}{l} 1 \text{ inch} \dots \\ 1 \text{ inch} \dots \end{array} \right.$	L
		Heads—	
		$\frac{1}{4} \text{ inch}$	
		thick	L
		$\frac{3}{8} \text{ inch}$	
		thick	L

(195)

A 3

Bolts, with nuts:—

Hexagon head (*continued*)—

$\frac{7}{16}$ inch	×	$1\frac{1}{4}$ inches....	L
		5 inches	L
inch	×	3 inches ..	L
		$1\frac{3}{4}$ inches ...	L
		$1\frac{1}{4}$ inches....	L

Rivets:—

Copper—

$\frac{5}{16}$ inch	×	$1\frac{1}{2}$ inches ...	L
$\frac{1}{4}$ inch	×	$1\frac{1}{2}$ inches ...	L
$\frac{1}{4}$ inch	×	$\frac{3}{4}$ inch	L

Copper, flat, tinned—

$\frac{1}{4}$ inch	×	$1\frac{1}{4}$ inches....	L
		$\frac{3}{4}$ inch	L
$\frac{3}{16}$ inch	×	$1\frac{1}{2}$ inches....	L
		1 inch	L

Copper, hose—

$\frac{3}{4}$ inch	....	....	L
$\frac{1}{2}$ inch	....	....	L

Steel, bosshead—

$\frac{3}{4}$ inch	×	$2\frac{1}{2}$ inches ...	L
$\frac{5}{8}$ inch	×	$4\frac{1}{2}$ inches ...	L
$\frac{1}{2}$ inch	×	$2\frac{3}{4}$ inches ...	L
		$1\frac{1}{4}$ inches ...	L
$\frac{7}{16}$ inch	×	$1\frac{1}{2}$ inches ...	L
		$1\frac{3}{8}$ inches ...	L
$\frac{3}{8}$ inch	×	2 inches	L
		$1\frac{3}{4}$ inches ...	L
$\frac{5}{16}$ inch	×	$1\frac{1}{2}$ inches....	L
$\frac{1}{4}$ inch	×	4 inches	L
		2 inches ..	L
		$1\frac{1}{2}$ inches ...	L
$\frac{3}{16}$ inch	×	$1\frac{1}{4}$ inches ...	L

Steel, conical head—

$\frac{3}{8}$ inch	×	3 inches	L
--------------------	---	-----------------	---

Steel, countersunk head—

$\frac{1}{2}$ inch	×	$1\frac{1}{2}$ inches ...	L
$\frac{5}{16}$ inch	×	6 inches	L
$\frac{1}{4}$ inch	×	2 inches	L
		$1\frac{1}{2}$ inches ...	L

659

12097.—Carriages, field, B.L.—
 12-pr., Marks I.* and
 I.** L
 15-pr., Marks I.*, II.*,
 III., and III.* .. L

Loops on brake arm strengthened.

The brake arm of carriages of the above-mentioned description will be fitted with loops of a stronger pattern when passing through the Ordnance Factories for repair.

15th Dec. 1902.

3rd Dec. 1903.

54

Artillery

365A

12098.—Carriage, field, Q.F.,
 15 pr., Mark I. .. L

Telescopic trail abolished.

The telescopic trail of carriages of the above-mentioned description (§ 10726) will be permanently fixed in the "short" position.

15th Dec. 1903.

19th Feb. 1904.

71

1

3051

This service will be carried out locally, in accordance with the accompanying drawing (page 660) and instructions detailed below. A "bolt, fixing trail tube," will be supplied to officers concerned on demand.

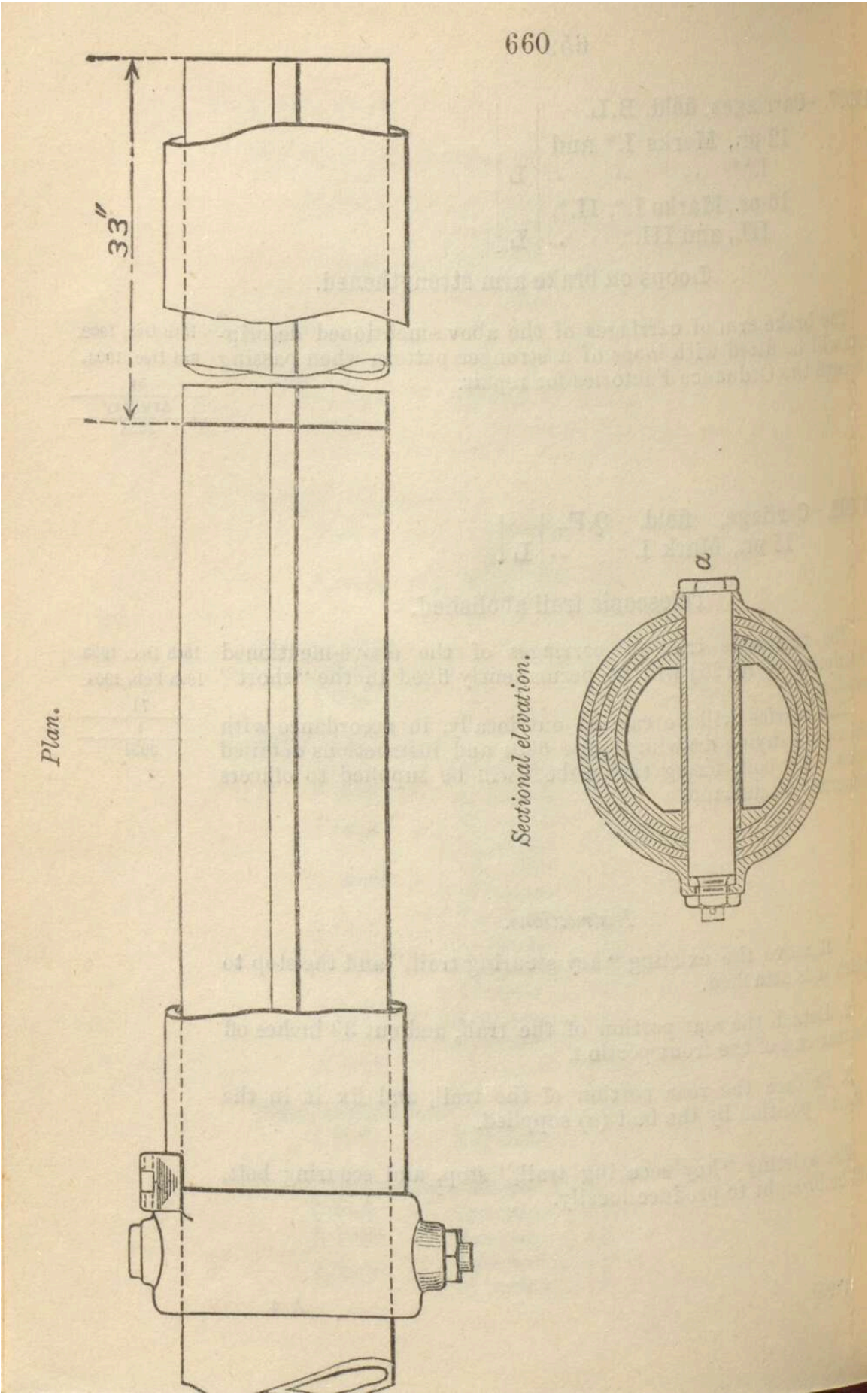
Instructions.

1. Remove the existing "key securing trail," and the stop to which it is attached.
2. Detach the rear portion of the trail, and cut 33 inches off the rear end of the front portion.
3. Replace the rear portion of the trail, and fix it in the "short" position by the bolt (a) supplied.

The existing "key securing trail," stop, and securing bolt, will be brought to produce locally.

(195)

A 4



661

(WOOLWICH SECTIONS, Nos. 13 AND 15.)

12099.— Carriage, mountain, |
B.L., 10-pr., Mark I. ... L |

Metal friction plates to be replaced by
plates of a longer pattern.

With reference to § 11002:—It having been found that the check rope does not ride on the metal friction plates, as intended, but on the sharp angle iron of the trail, thereby causing damage to the check ropes, it has been decided to replace the friction plates by longer ones having the outer corners well rounded and the top bevelled, so as to admit of the check rope being properly tightened.

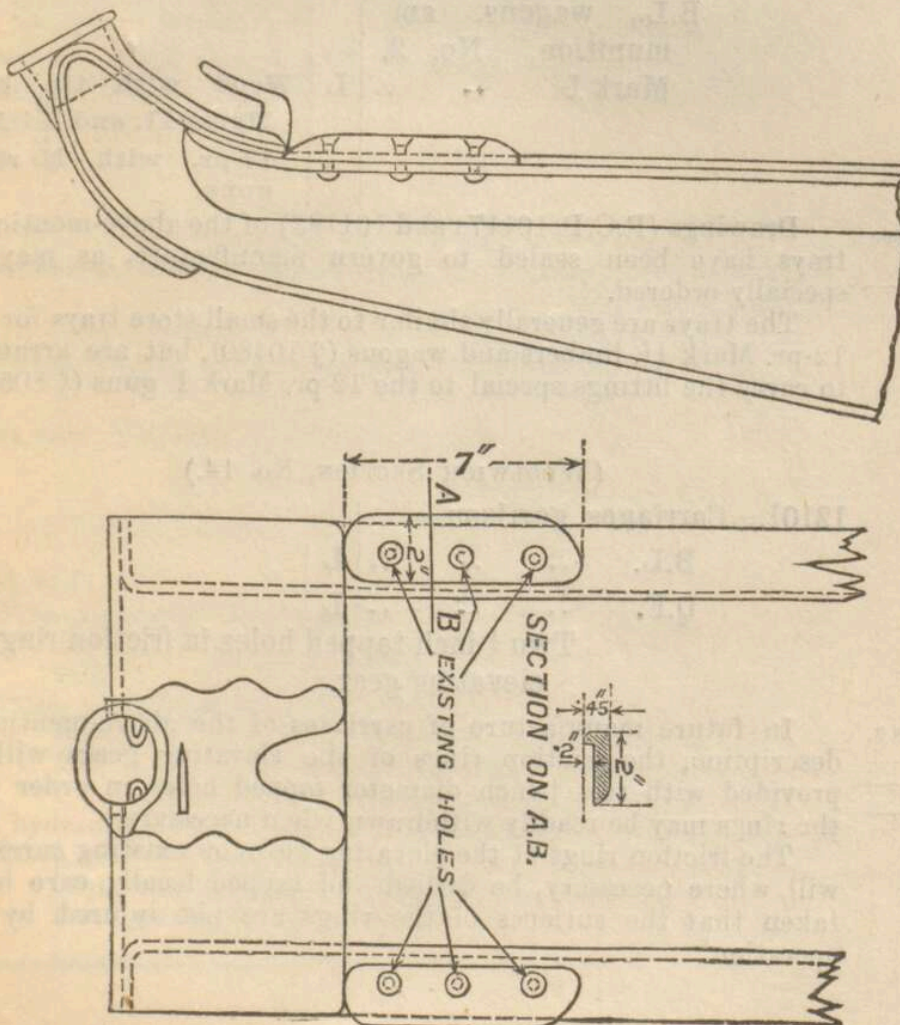
17th Feb. 1904.

71

1

3186

Existing carriages will be altered locally, in accordance with the accompanying drawing, for which purpose the under-mentioned stores will be supplied to officers concerned on demand.



662

Stores per carriage.

(Woolwich Section, No. 13.)

Rivets, steel, bosshead, $\frac{3}{8}$ inch by $1\frac{1}{2}$ inches	No.
(1 spare)....	7

(Woolwich Section, No. 15.)

Plates, friction, check rope	2
------------------------------	------	------	------	---

(WOOLWICH SECTION, No. 13.)

12100.—Trays, small stores—

B.L., limbers, No. 3,	
Mark I. ..	L

Wood; upper tray;
Marks II. and $\frac{II}{I}$. B.L.
12-pr. with Mark I.
guns.

B.L., wagons, am-	
munition, No. 2,	
Mark I. ..	L

Wood with tin box;
Marks II. and $\frac{II}{I}$. B.L.
12-pr. with Mark I.
guns.

10th Aug. 1903.

54

Artillery

826

Drawings (R.C.D. 10117A and 10118A) of the above-mentioned trays have been sealed to govern manufacture, as may be specially ordered.

The trays are generally similar to the small store trays for the 12-pr. Mark II. limbers and wagons (§ 10480), but are arranged to carry the fittings special to the 12-pr. Mark I. guns (§ 8051).

(WOOLWICH SECTION, No. 14.)

12101.—Carriages, garrison—

B.L.	L
------	----	----	----	---

Q.F.	L
------	----	----	----	---

Two $\frac{1}{4}$ -inch tapped holes in friction rings of elevating gear.

7th Sept. 1903.

57

Cork

8353

In future manufacture of carriages of the above-mentioned description, the friction rings of the elevating gears will be provided with two $\frac{1}{4}$ -inch diameter tapped holes, in order that the rings may be readily withdrawn when necessary.

The friction rings of the elevating gears on existing carriages will, where necessary, be drilled and tapped locally, care being taken that the surfaces of the rings are not injured by the operation.

663

12102.—Carriage, garrison, bar-
bette—

B.L., 9·2-inch, Mark	
V.	L
B.L., 10-inch, Mark	
IV.	L

Automatic flaps added to doors of shell pit
shield.

In future manufacture of carriages of the above-mentioned descriptions (§§ 10867, 11676), the opening in shell pit shield for the rear hoist will be covered by flaps which will be opened and closed automatically by the hoist.

Guards will be fitted to the upper portion of the outer ram to prevent the flaps fouling the tray when being lowered.

Flaps and guards will be fitted to existing 9·2-inch Mark V., and 10-inch Mark IV. mountings locally, in accordance with instructional print, R.C.D. 1090, which, together with the under-mentioned stores, will be supplied to officers concerned on demand.

30th June 1903.

57

Dover

4314

17th Sept. 1903.

71

1

2987

Stores per carriage.

	10-inch, Mark IV.	9·2-inch, Mark V.
(Woolwich Section, No. 13.)		
	No.	No.
Rivets, steel, bosshead, $\frac{3}{8}$ inch by $1\frac{1}{4}$ inches..	18	18
(Woolwich Section, No. 14.)		
Shield, shell pit :—		
Flap, automatic — for doors—		
Right.. ..	1	1
Left	1	1
Plate, angle, supporting flap—		
Right.. ..	1	1
Left	1	1
Gear, hydraulic :—		
Hoist, rear—		
Clip, securing flap guard—with bolts	1	1
Plate, guard, flap (outer ram) ..	2	2

664

12103.—Carriages, garrison, |
Q.F., 12-pr., Mark II. | L

1. Fitting of depression stop.
2. Cutting of shield.

3rd March 1904.

71
1
3314

Carriages of the above-mentioned description (§ 10872) which have been modified to allow of 15 or 20 degrees depression being given to the gun, will be altered as follows:—

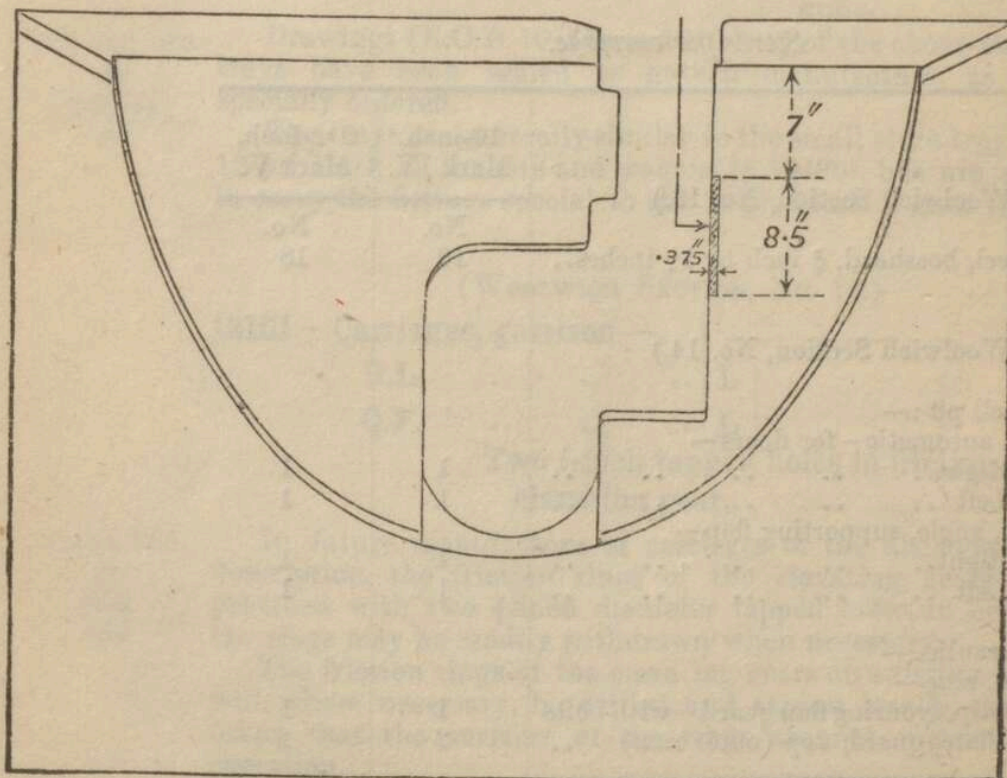
1. A stop plate will be fitted to the pivot, so that at extreme depression no part of the automatic sighting gear may act as a depression stop.

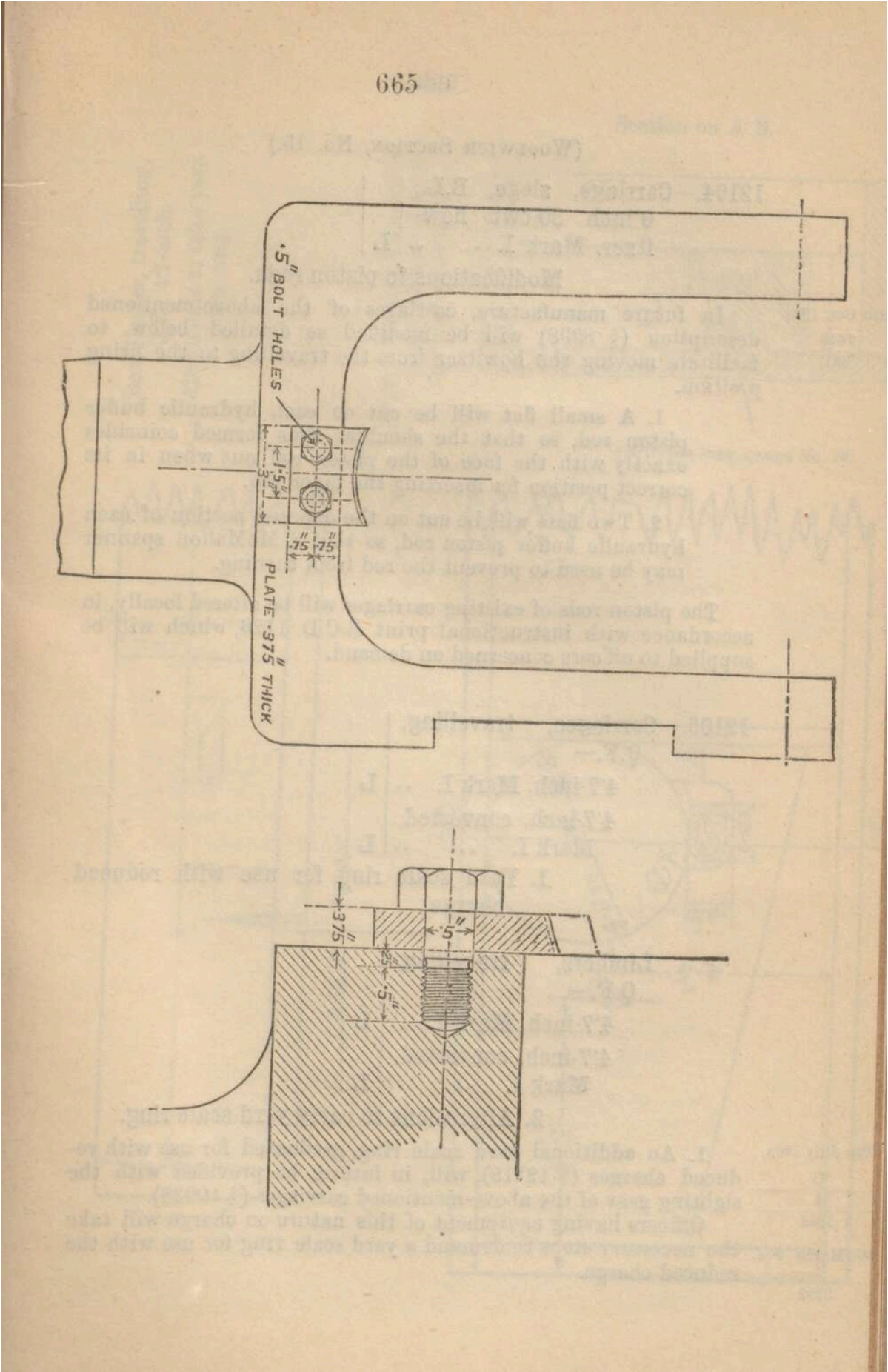
2. The shield will be cut so as to provide sufficient clearance for the "bracket supporting Z cable" of the illuminating sight gear.

These alterations will be carried out locally in accordance with the accompanying drawings.

The necessary material will be obtained locally.

This part to be cut away.





666

(WOOLWICH SECTION, No. 15.)

12104.—Carriage, siege, B.L.,
6 inch 30-cwt. how-
itzer, Mark I. .. L

Modifications to piston rods.

12th Oct. 1903.

7615

681

In future manufacture, carriages of the above-mentioned description (§ 8998) will be modified as detailed below, to facilitate moving the howitzer from the travelling to the firing position.

1. A small flat will be cut on each hydraulic buffer piston rod, so that the shoulder thus formed coincides exactly with the face of the piston rod nut when in its correct position for inserting the taper pin.

2. Two flats will be cut on the exposed portion of each hydraulic buffer piston rod, so that a McMahon spanner may be used to prevent the rod from turning.

The piston rods of existing carriages will be altered locally, in accordance with instructional print R.C.D. 1126, which will be supplied to officers concerned on demand.

12105.—Carriages, travelling,
Q.F.—
4·7-inch, Mark I. .. L
4·7-inch, converted,
Mark I. L

1. Yard scale ring for use with reduced charge.

Limbers, travelling,
Q.F.—
4·7-inch, Mark I. .. L
4·7-inch, converted,
Mark I. L

2. Alterations to carry yard scale ring.

10th July 1903.

71

1

2866

1. An additional yard scale ring, graduated for use with reduced charges (§ 12118), will, in future, be provided with the sighting gear of the above-mentioned carriages (§ 10938).

10th March 1904.

3292

Officers having equipment of this nature on charge will take the necessary steps to demand a yard scale ring for use with the reduced charge.

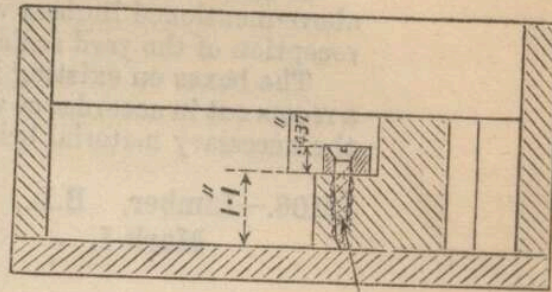
667

Box, limber, travelling,
Q.F., 4.7-inch.
Alterations to take yard
scale ring.

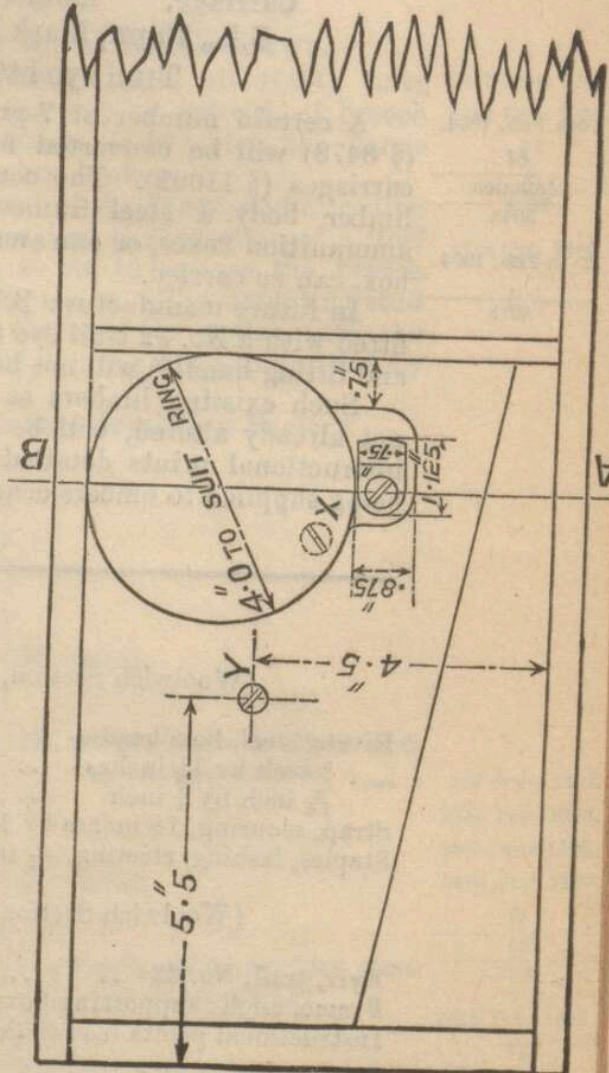
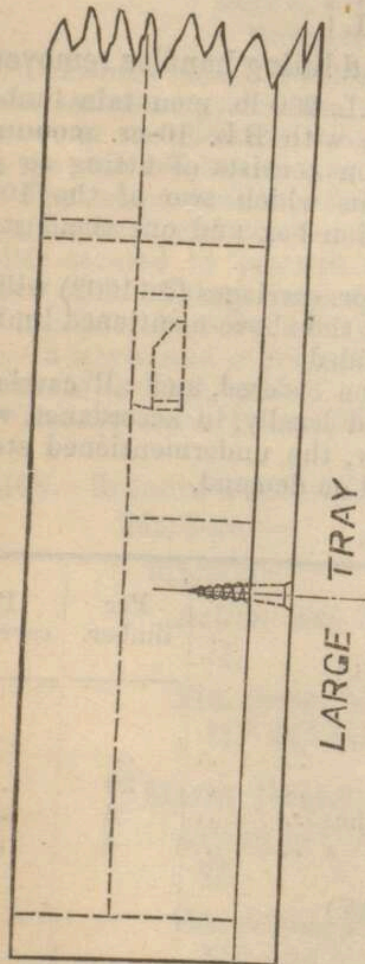
Scale $\frac{1}{4}$.

NOTE.—Remove the existing
screw marked X to the
position shown at Y.

Section on A B.



1.5 inches long, gauge No. 10.



2. In future manufacture, the large tray of the boxes on the above-mentioned limbers will be provided with a recess for the reception of the yard scale ring not in use.

The boxes on existing limbers will be altered locally by having a recess cut in accordance with accompanying drawing (page 667), the necessary material being obtained locally.

12106.—Limber, B.L., 10-pr.,
Mark I. L | With grease box; converted R.M.L. 7-pr. 200 lb., mountain.

Conversion of 7-pr. R.M.L. 200 lb. mountain limber.

Carriage, mountain,
B.L., 10-pr., Mark I. . . L |

Trail eye fitted and lifting handles removed.

10th Feb. 1904.

57

Jamaica

5043

26th Feb. 1904.

5098

A certain number of 7-pr. R.M.L. 200 lb. mountain limbers (§ 3473) will be converted for use with B.L. 10-pr. mountain carriages (§ 11002). The conversion consists of fitting to the limber body a steel framework in which two of the 10-pr ammunition boxes, or one ammunition box and one small store box, can be carried.

In future manufacture B.L. 10-pr. carriages (§ 11002) will be fitted with a No. 32 trail eye to suit the above-mentioned limber, and lifting handles will not be provided.

Such existing limbers as may be ordered, and all carriages not already altered, will be altered locally, in accordance with instructional prints detailed below, the undermentioned stores being supplied to officers concerned on demand.

Stores.

	Per limber.	Per carriage.
(Woolwich Section, No. 13.)		
Rivets, steel, boss head—		
$\frac{3}{8}$ inch by $1\frac{1}{2}$ inches .. .. .	..	8
$\frac{5}{16}$ inch by $\frac{3}{4}$ inch	28	..
Strap, securing, $1\frac{1}{4}$ inches by 108 inches	2	..
Staples, lashing, riveting, $\frac{5}{16}$ inch	4	..
(Woolwich Section, No. 15.)		
Eyes, trail, No. 32 .. .. .	..	1
Frame, angle, supporting boxes (complete)	1	..
Instructional prints (as required) .. R.C.D. Nos.	1131	1135

669

(WOOLWICH SECTION, No. 16.)

12107.—Ordnance, Q.F.:—

6-inch B, and Q.F.C.

6-inch—

Screw, breech .. C

4.7-inch B, Marks I.

to IV.*, and 4-inch,

Mark III.—

Screw, breech .. C

12-pr. 12 and 8 cwt.—

Screw, breech .. C

Repair to rear end of breech screws.

Drawings (R.G.F./10918/26, 10830/51, and 10844/54), have been sealed to govern the repair, as may be ordered, of breech screws of the above-mentioned descriptions in which the flange on the rear end has become cracked or broken.

The repair consists of the removal of the flange, and a portion of the rear face of the breech screw, and the insertion of a steel collar secured by screwed rivets, so as to restore the breech screw to its original shape and dimensions. The actuating stud of the breech screw is screwed through the collar into the breech screw, and is prevented from turning when in position by means of a check screw.

This work will be carried out in the Royal Gun Factory.

12108.—Ordnance, Q.F., Norden-

felt, 6-pr.:—

Mark I.—

Action pin, Mark

II. N Steel.

Pin, firing, Marks

II.* and III. .. N Steel, with striker and
securing screw.

Marks II. and III.—

Action pin, Mark

II. C Steel.

Pin, firing, Marks

II.* and III. .. C Steel, with striker and
securing screw.

Repair of worn guns.

Drawings (R.G.F./10835/20 and 10835/21) have been sealed to govern repair of Q.F. Nordenfelt 6-pr. guns as may be ordered.

22nd Sept. 1903.

10th Dec. 1903.

73

4

4687

27th Oct. 1904.

4539

3rd Sept. 1902.

27th Feb. 1903.

2nd June 1903.

14th Aug. 1903.

75

12

3131

28th Feb. 1903.

73

4

4273

The repairs approved for worn guns of the above-mentioned descriptions are as follows:—

Article.				Nature of repair.
Ordnance, Q.F., Nordenfelt, 6-pr.:—				
Mark I.—				
Action cam..	..	..	..	Cam groove to be fitted with steel piece on the underside so as to restore the groove to its original shape and dimensions, and new keys to be fitted.
Marks II. and III.—				
Action cam..	..	..	..
Mark I.—				
Action pin ..	..	..	..	New pattern action pin to be provided. The Mark II. action pin for Mark I. and Marks II. and III. guns respectively, differ from Mark I. (§§ 5009, 5461) only in being made solid.
Marks II. and III.—				
Action pin ..	..	..	..
Mark I.—				
Block, breech	..	..	..	To be fitted with firing hole bush.
Marks II. and III.—				
Block, breech	..	..	..
Mark I.—				
Lever, breech mechanism..				New spindle to original shape and dimensions to be provided.
Marks II. and III.—				
Lever, breech mechanism..				
Mark I.—				
Pin, firing ..	..	..	..	To be converted by fitting removable striker and securing screw, and the sear re-formed to original shape and dimensions. Converted firing pins will be described as "Mark II.*" Firing pins of future manufacture will be "Mark III."
Marks II. and III.—				
Pin, firing ..	..	..	..
Mark I.—				
Wedge	..	..	..	Cocking incline and rear faces of wedge to be fitted with steel plates so as to restore the wedge to its original shape and dimensions.
Marks II. and III.—				
Wedge	..	..	..

In addition to the foregoing, the bearings in the gun for the breech mechanism lever spindle will be bushed, so as to restore them to their original dimensions.

671

12109.—Rifle, aiming, 1-inch,
Elswick, B:—

Frame, adjusting,
front—

Q.F.—

6-inch, and
6-inch B
guns, Mark
II.

Gunmetal, with set
screw.

N

Also Q.F.C. 6-inch.

4'7-inch, 4'7-
inch A & B,
Marks I. to
IV.* guns,
Mark II. ..

C

4-inch, Mark
III. gun,
Mark II. ..

N

12 pr guns,
Mark II. ..

C

Drawings (E.O.C./62659A, 71511A, 72152, 71948A) of the
above-mentioned front adjusting frames have been sealed to
govern future manufacture.

8th Oct. 1903.

73

12

1403

The Mark II. frames differ from Mark I. (§§ 11179, 11434,
11620) in having the inner edge of the flange bevelled as
described for B.L.C. 6-inch (§11909) so as to ensure a good fit.

(WOOLWICH SECTION, No. 17.)

12110.—Ordnance, B.L., 6-inch,
wire:—

Marks VII. & VII.^v—

Carrier C

Mark VIII.—

Carrier N

Repair to front end of recess for vent in
worn carriers.

A drawing (R.G.F./10810/123) has been sealed to govern
repair (as may be found necessary) to carriers of the above-
mentioned description in which the front end of the recess for
vent has become worn.

17th April 1903.

20th June 1903.

57

Sheerness

2869

The repair consists of fitting a steel bush to the front end of the recess for vent in the carrier, so as to restore the latter to its original form and dimensions. The bush will be secured in position by means of a screwed rivet.

This repair will be carried out as detailed below, for which purpose the undermentioned instructional print and stores will be supplied to officers concerned on demand.

Naval service.—Locally, in accordance with Admiralty letter, dated 23rd September, 1903, G. 4181/13847.

Land service.—Locally, by Army Ordnance Department, where requisite machinery is available.

Instructional print and stores.

Instructional print, R.G.F./10810/131 As required.

Bush—steel	} 1 per carrier.
Screw, fixing—steel....	

12111.—Vent, steel, cone,	|	L	With removable head, for "P" electric vent- sealing tube.
R.M.L., 10 inch guns,			
Mark I.			

11th Jan. 1904.
73
3
4860

R.M.L. 10-inch guns in land service will, on the issue of cordite charges (§ 11061), be fitted with vents of the above-mentioned description.

The vent is similar to that described for R.M.L. 12·5-inch Mark I. guns (§§ 7680, 11095), and will be fitted to the guns locally in accordance with instructional print R.G.F. 9933, which, with the stores and tools mentioned in § 11095, will be supplied to officers concerned on demand.

(WOOLWICH SECTION, No. 18.)

12112.—Ropes, parbuckling—	|	L	Tarred hawser, with hook at each end.
18 fathoms, 4-inch,			
Mark I.			
15 fathoms, Mark I...	L	4-inch tarred hawser, with hook at each end.	

6th Oct. 1903.
57
24
4795

A drawing (R.C.D. 6182) of the above-mentioned ropes (not previously mentioned in *List of Changes*) has been sealed to govern manufacture.

The ropes are of tarred hawser, with a hook at each end.

673

(WOOLWICH SECTION, No. 21.)

12113. — Cases, cordite, 100 lb.—		Wood, with 2 partitions.
Land, Mark III. ..	L	And rope handles.
Naval, Mark III. ..	N	And wire handles.

A pattern (design R.C.D. 10216A) of the above-mentioned case 27th Oct. 1903.
has been sealed to govern manufacture as may be required.

The case differs from the Mark II. (§ 10780) principally in dimensions, and in being provided with two removable deal partitions. Three grooves are cut in each side of the case in which the partitions may be placed to suit different kinds of packing.

The case for naval service differs from that for land service only in being fitted with copper wire handles instead of rope handles, and in having the letter "N" in black cut or branded on both ends of the case.

Dimensions, &c.

Length	not to exceed for stowage	inches.
Width	not to exceed for stowage	40.5
Depth	not to exceed for stowage	17.6
		8.812
Tonnage		ton.
		.0877
Weight, empty (about)		qr. lb.
		1 23

(WOOLWICH SECTION, No. 22.)

12114.—Fuzes, percussion, base—		Metal.
Large, No. 11, Marks		13rd March 1903.
III. and IV.	C	75
Medium, No. 12, Marks		7
II. and III.	C	7294

1. New patterns.

7th Sept. 1903.

2. Conversion of certain existing large base fuzes to Mark IV. pattern.

31st Dec. 1903.

8060

17th Nov. 1902.

Fuze, percussion, base—	
Large, No. 11, Mark II. | C	

7672

3rd March 1903.

3. To be retained for use with R.M.L. 9-inch high angle guns.

8008

24th Nov. 1903.

1. Patterns (designs R.L. Nos. 11860c (1) and 12290A (1) respectively) of the above-mentioned large Mark IV. and medium Mark III. fuzes have been sealed to govern future manufacture.

8120

24th April 1903.

8026

The fuzes differ from those described in §§ 8652 and 8100 principally in the following particulars:—

A perforated steel protecting plate is fitted over the pressure plate.

The protrusion of the centrifugal bolt is increased.

A certain number of large and medium base fuzes have been issued, which differ from those described above in not having the increased protrusion of the centrifugal bolt. Such fuzes were described as large "Mark III." and medium "Mark II," and drawings (R.L. Nos. 11860E and 12290B respectively) have been sealed for record.

2. Certain existing large base fuzes will be converted to the Mark IV. pattern as follows:—

Land service.—In accordance with instructions which have been issued on the subject.

Naval service.—Under arrangements made by the Admiralty.

When altered, the fuzes will have a star (*) added to their existing numerals.

(3.) The Marks III., IV., and converted large base fuzes are not suitable for use with common pointed shell for R.M.L. 9-inch high angle guns, and the Mark II. large base fuze (§ 8652) will, therefore, be retained for use in such cases.

12115.—Tubes, vent sealing, percussion C | Brass.

Marking to distinguish them from wireless electric tubes.

Oct. 1903. " In future manufacture, "Tubes, vent sealing, percussion,"
Jan. 1904. will be blacked, and have four notches cut in the rim of the
75 head to distinguish them from wireless electric tubes by sight or
7 touch.

8111 This modification will also be carried out to any existing vent
sealing percussion tubes which may, from time to time, be passing
through the Ordnance Factories for any conversion.

No advance of numeral will be involved.

(WOOLWICH SECTION, No. 22A.)

12116.—Boxes, ammunition, Q.F.—

6-pr. C

3-pr. C

Nov. 1903.

Feb. 1904.

57

en. No.

4520

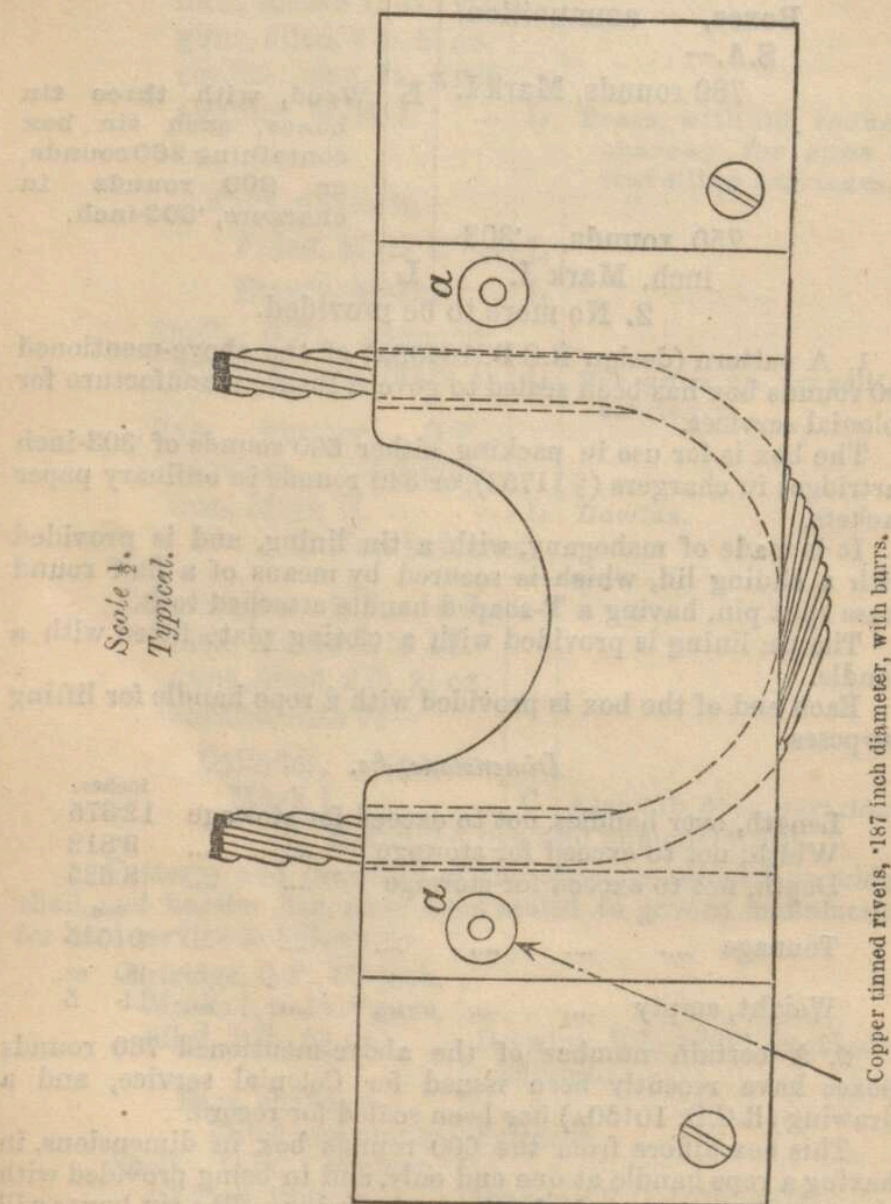
Cleats to be secured by copper rivets.

In future manufacture of boxes of the above-mentioned

675

description, two copper rivets will be used instead of two of the screws, for securing the cleats to the boxes, as shown at *a* in the accompanying typical drawing.

Two rivets will be substituted for two screws in the cleats of existing boxes as the latter pass through Ordnance Factories or local ordnance workshops for repair.



676

(WOOLWICH SECTION, No. 23.)

12117.—Box, ammunition, S.A., 600 rounds, '303 inch, in chargers, Mark I. ..	L	Mahogany, with tin lining; or 840 rounds in paper packets.
--	---	--

1. New pattern.

Boxes, ammunition,
S.A.—

780 rounds, Mark I.

L

Wood, with three tin
boxes, each tin box
containing 260 rounds,
or 200 rounds in
chargers, '303-inch.750 rounds, '303-
inch, Mark I. ..

L

2. No more to be provided.

3rd June 1903.

7th Dec. 1903.

57

Gen. No.

4085

1. A pattern (design R.C.D. 10408A) of the above-mentioned 600 rounds box has been sealed to govern future manufacture for Colonial services.

The box is for use in packing either 600 rounds of '303-inch cartridges in chargers (§ 11753), or 840 rounds in ordinary paper packets.

It is made of mahogany, with a tin lining, and is provided with a sliding lid, which is secured by means of a half round brass split pin, having a T-shaped handle attached to it.

The tin lining is provided with a closing plate fitted with a handle.

Each end of the box is provided with a rope handle for lifting purposes.

Dimensions, &c.

Length, over handles, not to exceed for stowage	12'375	inches.
Width, not to exceed for stowage	9'812	
Depth, not to exceed for stowage	8'625	
Tonnage	01515	ton.
Weight, empty	11 5	lb. oz.

2. A certain number of the above-mentioned 780 rounds boxes have recently been issued for Colonial service, and a drawing (R.C.D. 10150A) has been sealed for record.

This box differs from the 600 rounds box in dimensions, in having a rope handle at one end only, and in being provided with three tin boxes, instead of a single tin lining. The tin boxes will each contain 260 rounds of '303-inch cartridges in ordinary paper packets, or 200 rounds in chargers.

677

Consequent on the introduction of the 600 rounds box no more "Boxes, ammunition, S.A., 780 rounds" or "750 rounds, .303-inch" (§ 10750) will be made, and so soon as the existing stock is used up those patterns will be regarded as obsolete.

(WOOLWICH SECTION, No. 24.)

12118.—Cartridge, Q.F., 4·7-inch, Marks I. to IV.* guns, filled, 2 lb. 5½ oz. cordite, size 7½, with adapter, Mark I. ..	L	Brass, with lid, reduced charge; for guns on travelling carriages.
Bags, shalloon—		
Filled, Mark I. ..	L	
Empty, Mark I. ..	L	
Shell, Q.F., common, 4·7-inch, iron, Mark I. ..	L	For guns on travelling carriages.
Bag, burster, Q.F., common, 4·7-inch, iron, Mark II. ..	L	Dowlas.

1. New patterns.

Cartridge, Q.F., 4·7-inch, Marks I. to IV.* guns, filled, 2 lb. 2½ oz. cordite, size 7½—		
Cylinder, paper		
Mark I.	C	Also 2 lb. 5½ oz. cartridge.

2. Extended use and nomenclature.

1. Patterns and drawings of the above-mentioned cartridge, shell, and burster bag, have been sealed to govern manufacture for land service as follows:—

Cartridge, Q.F., 4·7-inch, Marks I. to IV.* guns, filled, 2 lb. 5½ oz.	Drawing R.L. 12821 (method of filling).	21st May 1903 75 12 3736 17th April 1903 13th July 1903
Bags, shalloon—		
Filled and empty	Patterns.	3399
Shell, Q.F., common, 4·7-inch, iron	Drawing R.L. 10703c (1).	17th Sept. 1903 71
Bag, burster, Q.F., common, 4·7-inch	Pattern and drawing R.L. 12907.	1 2836

678

Cartridge.

The cartridge is for use with the 4·7-inch common iron shell described below, for practice purposes with guns on travelling carriages.

The charge is made up of 2 lb. 5 $\frac{3}{4}$ oz. of cordite size 7 $\frac{1}{2}$, in two lengths, the base end being contained in a shalloon bag. The shalloon bag is provided with a pocket which fits into a recess formed in the cordite, and contains a .05-inch cordite cylinder and an igniter of 1 oz. 4 drs. of fine grain powder (§ 10326).

The charge is held in position in the cartridge case by the paper cylinder for the 2 lb 2 $\frac{1}{2}$ oz. cartridge described in § 9531.

The empty case is the service Mark II. case (§ 9396).

The lid is the Mark III. white metal lid (§ 9624).

The cartridges will be issued with adapters.

Shell.

The shell is fitted to take a nose fuze, and is provided with the driving band shown in § 12036.

Dimensions, &c.

	inches.
Diameter over body (maximum)	4·7
Diameter over driving band (maximum)	4·815
Length (about)	13·6
Weight of—	lb. oz.
Shell, empty (including driving band)	42 11
Bursting charge (L.G.)	1 8
Fuze (T. and P.)	0 13
Average total weight filled and fuzed	45 0

Bag, burster.

The bag is made of dowlas, with a shalloon neck, to which is threaded a piece of string for choking.

It differs from the Mark I. bag (§ 5966) in dimensions, and is for use with the above-mentioned 4·7-inch common iron shell.

Dimensions (when laid flat).

	inches.
Greatest width (maximum)	4·8
Length of neck (maximum)	4·75
Length to neck (maximum)	11·25
Width of neck (maximum)	3·0

2. The use of the paper cylinder of the Q.F. 4·7-inch 2 lb. 2 $\frac{1}{2}$ oz. cartridge (§ 9531) having been extended to the above-mentioned 2 lb. 5 $\frac{3}{4}$ oz. cartridge, the nomenclature of the cylinder has been altered as shown above.

679

12119.—Projectiles, B.L., 12-inch,
light.

Increased depth of groove for driving band.

Reduced diameter of body in rear of driving
band.

In future manufacture of projectiles of the above-mentioned description (§§ 11234, 11194), the groove for driving band will be deepened, and the diameter of the body in rear of the driving band reduced.

These modifications will involve an advance of numeral, except in cases where no issues have been made of projectiles to previous designs.

30th May

27th Aug.

75

12

3741

Numerals advanced.

Shell, B.L., armour-piercing, 12-inch, light, Mark III.	C	Steel, for large base fuze; 714 lb. for all except wire guns.
Shot, solid, B.L., 12-inch, light, Mark II.	N	Iron, practice; 714 lb. for all except wire guns.

Numerals not advanced.

Shell, B.L., shrapnel, 12-inch, light, cast steel, Mark VI.	N	714 lb. for all except wire guns.
Shell, B.L., common, pointed, 12- inch, light, cast steel, Mark V.	N	For large base fuze; 714 lb. for all except wire guns.
Shot, B.L., armour-piercing, 12-inch, light, Mark III.	N	Steel, 714 lb. for all except wire guns.

12120.—Shell, B.L., shrapnel—
9·2-inch, cast steel,
Mark VII. C
10-inch, cast steel,
Mark III. C

Extended use.

Nomenclature.

With reference to §§ 11234, 11399:—The use of the above-mentioned shells has been extended to land service, and the distinguishing letters have accordingly been altered from "N" to "C" as shown above.

5th Feb. 19

75

12

4284

680

(WOOLWICH SECTION, No. 28.)

12121.—Apparatus, limelight—
 Case, loose pencils,
 Mark II. L | Brass; with screw top.

Nomenclature.

25th Feb. 1904. The nomenclature of the above-mentioned store (§§ 4881,
 54 5375) has been altered to read as now shown.

Miscellaneous

3

12122.—Binoculars, Mark V.—
 Wide L }
 Medium L } In leather case with
 Narrow L } shoulder strap.

Proportions of sizes.

17th Feb. 1904. With reference to §§ 11247, 11930:—The average proportion
 67 of sizes required of the above-mentioned binoculars has been
 Gen. No. found to be as follows:—
 5207

	Per cent.
Wide	10
Medium	80
Narrow	10

Officers when demanding these Mark V. binoculars should demand the particular sizes they require.

12123.—Forge, field, R.E., Rail-
 way Company L |

To become obsolete.

11th Feb. 1904. No more supplies of the above-mentioned forge will be
 84 obtained, and when existing stock has been used up the pattern
 Gen. No. will become obsolete. Forges, field, G.S., Marks II. or III.,
 3753 §§ 7689, 11898, being issued in lieu.

12124.—Heliograph, 10-inch,
 Mark I. L | In wood case.
 Stand, 10-inch helio-
 graph, Mark I. L |

16th Dec. 1902. Patterns of the above-mentioned stores have been sealed to
 7131 govern manufacture for issue as may be specially authorized.
 6038

Heliograph, 10-inch, Mark I.

The heliograph is similar to the "Heliograph, 5-inch, Mark IV.," § 11883, except that the dimensions are correspondingly larger, and it is not provided with a double jointed sighting rod.

The following is a list of the component parts of the heliograph :—

Arm, sighting—		With two clamping screws.
Screw clamping main socket	}	With keep pin.
Screw clamping sighting rod ...		
Body—		
Arm, U		With pivot for main socket.
Ball, German silver		Threaded, No. 0 B A.
Bridge, key		With brass adjusting screw.
Frame, signalling mirror—		With right and left cockpieces, three mirror springs, two trunnion pivots, and gun-metal rim.
Cockpiece, right	}	Fixed to signalling mirror frame by two No. 4 B.A. screws.
Cockpiece, left		
Rim, gunmetal		Secured to frame by six No. 8 B.A. screws.
Key		
Lid, tangent box		Secured to U arm by four No. 6 B.A. screws.
Milled head for tangent screw		Ebonite.
Mirror, signalling		
Rod, vertical, steel		
Rod, vertical, tubular—		With key, bearing; milled ebonite collar, and clamping screw.
Bearing key		
Collar, milled, ebonite		
Screw, clamping		To clamp vertical steel rod; with No. 0 B.A. milled nut, and No. 6 B.A. cheese-headed screw.
Screw, steel, tangent		
Socket, main		Threaded to fit on stand.
Spring, key		
Spring, steel, tangent screw		
Case, wood		With box for spare parts, three handles, two hinges, two hooks, and a lock with two keys.

682

Frame, duplex mirror	....	....	With three mirror springs, pivoting screw, and pivoting screw with wing nut and washer, and gunmetal rim.
Frame, duplex mirror, U....	....	....	With stem to fit in sighting arm.
Lever, adjusting	....	....	With small and large screw-driver ends, the large screwdriver end being bent at a right angle.
Mirror, duplex	....	....	With mirror disc.
Plate, brass, with spare screws	....	....	With spare screws, Nos. 1 to 12.
Pocket, spare parts	....	....	Leather ; to hold spare parts.
Rod, straight sighting—			With cross wires, vane, vane spring, and thumb pivot.
Vane	....	....	White enamelled.
Vane spring	....	....	Steel.
Thumb pivot	....	....	....
Tool, adjusting	....	....	Steel, nickel plated.

SPARE PARTS.

In wood case.

Mirror, duplex	....	....	....	No. 1
Mirror, signalling	....	....	....	1
Rod, vertical, steel	....	....	....	1

In spare parts pocket.

Lever, adjusting	....	....	....	No. 1
Milled head for tangent screw	....	....	....	1
Plate, brass, with spare screws	....	....	....	1
Screw, adjusting, for key bridge—with safety screw and milled lock nut (Spare No. 13)	....	....	....	1
Screw, clamping main socket to sighting arm (Spare No. 14)	....	....	....	1
Screw, clamping sighting rod to sighting arm (Spare No. 15)	....	....	....	1
Screw, pivoting, for duplex mirror frame ; with wing nut and washer (Spare No. 16)	....	....	....	1
Springs, mirror	....	....	....	2
Springs, key	....	....	....	2
Tool, adjusting	....	....	....	1

683

Spare No.	Screws on brass plate.	No.
1	Securing movable top to U arm	2
2	Securing rim of mirror frames	8
3	Securing key bridge to body, and cockpieces to signalling mirror frame	4
4	Adjusting ball pivots in cockpieces	2
5	Securing key spring	2
6	Adjusting pivot bearing of U arm	2
7	Securing coned steel pins of key, key bearing to vertical tubular rod, and vane spring ..	4
8	Securing tangent screw lid box.. ..	4
9	Securing springs in mirror frames	4
10	Pivoting for duplex mirror frame	2
11	Securing vane thumb pivot	2
12	Securing milled head to tangent screws ..	2

The exterior dimensions of the wood case are—

	inches.
Length	19 $\frac{3}{4}$
Length over handles	21 $\frac{3}{4}$
Width	10 $\frac{1}{4}$
Depth	17
Depth over handle	18

Stand, 10-inch heliograph, Mark I.

The length over all of the stand is 3 feet 5 $\frac{1}{2}$ inches ; diameter, 3 $\frac{7}{16}$ inches. It is provided with a sling.

The 10-inch heliograph can, on an emergency, be used on the "Stand, lamp or heliograph, A, Mark III." (§§ 4598, 5397, 11321).

The 3-inch and 5-inch heliographs, and "Apparatus, limelight, lamp" (§§ 10337, 11197, 4147, 4941, 10309, 11197, 11642, 11883, 2312, 2588, 4020, 5070, 5926, 7547, 8110, 9113, 10584, 11404, 11405), can also, on an emergency, be used on the "Stand, 10-inch heliograph, Mark I."

12125.—Lamp, bullseye, signal..	L	With reservoir, burner, and detachable foot, without stand.
Stand, lamp, bullseye ..	L	To fit bayonet joint socket of lamp.

No more to be manufactured.

No more of the above-mentioned stores (§ 11362) will be manufactured, "Lamp, signalling, B" (§§ 10214, 11251), being applied for signalling in future.

4th June 1903.

57

Gen. No.

4247

684

12126.—Wheel, cypher, Mark I. | L | Brass, $2\frac{3}{8}$ inches diameter, marked with two alphabets.

Obsolete.

1th Feb. 1904.

57

Gen. No.

4779

The above-mentioned store (§§ 2152, 3238, 11409) is hereby declared obsolete.

(WOOLWICH SECTION, No. 29.)

12127.—Instruments, drawing, and appurtenances, &c. ...

Nomenclature.

List of contents of boxes, cases, &c.

28th Jan. 1904.

57

Gen. No.

5143

The nomenclature of the undermentioned stores (some of which are referred to in §§ 7092, 7320, 8266, 11647, 11940, *List of Changes*, and some at pages 1385, 1386, 1388, 1391, 1392, 1399, *Priced Vocabulary of Stores*, 1902) has been altered to read as now shown.

Patterns of those not hitherto sealed have now been sealed.

Bottle, ink, metal, Mark I.	L	With screw top; for musketry instructors.
Box, drawing instruments—		
General service—		
Empty, Mark I.	L	} Wood.
Filled, Mark I.	L	
Regimental schools—		
Empty, Mark I.	L	} Wood.
Filled, Mark I.	L	
Case, drawing instruments—		
Musketry instructors—		
Empty, Mark I.	L	} Leather.
Filled, Mark I.	L	
Spring bow—		
Empty, Mark I.	L	} Wood.
Filled, Mark I.	L	
Case, divider—		
Empty, Mark I.	L	For 5-inch mathematical divider.
Filled, Mark I.	L	Containing 5-inch mathematical divider.

685

Compass, drawing—

Pen—

Bow—

Double jointed, $2\frac{3}{8}$ -inch,

Mark I. L

Single jointed, $2\frac{3}{8}$ -inch,

Mark I. L

} Plain point.

Spring bow—

Mark I. L

Plain point.

Mark II. L

Needle point.

Pencil—

Bow—

Double jointed, $2\frac{3}{8}$ -inch,

Mark I. L

Single jointed, $2\frac{3}{8}$ -inch,

Mark I. L

} Plain point.

Common, Mark I. L

Spring bow—

Mark II. L

Plain point.

Mark III. L

Needle point.

Shifting leg, double jointed,

6-inch, Mark I. L

Plain points ; with pen
and pencil legs and
lengthening bar.

Divider—

Mathematical, 5-inch, Mark

II. L

Plain points.

Spring bow—

Mark I. L

Plain points.

Mark II. L

Needle points.

Key, compass—

Large, Mark I. L

....

Small, Mark I. L

....

Pen, ruling—

Common, 6-inch, Mark I. L

....

Jointed nib—

5-inch, Mark I. L

....

6-inch, Mark I. L

....

Roll, drawing instruments, Royal

Engineers—

Empty, Mark I. L

} Leather.

Filled, Mark I. L

(195)

B

The following is a list of the contents of the boxes, cases, and roll :—

<i>Box, drawing instruments, general service, filled.</i>						
					No.	
Box, drawing instrument, general service, empty					1	
Compass, drawing—						
Pen—						
Bow, double jointed, $2\frac{3}{8}$ -inch					1	
Spring bow					1	
Pencil—						
Bow, double jointed, $2\frac{3}{8}$ -inch					1	
Spring bow					1	
Shifting leg, double jointed, 6-inch					1	
Divider, mathematical, 5-inch....					1	
Key, compass—						
Large					1	
Small					1	
Lead—						
No. 4					1	
No. 5					1	
Pen, ruling, jointed nib—						
5-inch					1	
6-inch					1	
Pencil, HH					1	
Pins, drawing (on piece of cork)					6	
Protractor, ivory, rectangular, 6-inch, B					1	
Ruler, parallel, common, 6-inch					1	

<i>Box, drawing instruments, regimental schools, filled.</i>						
Box, drawing instruments, regimental schools, empty					1	
Compass, drawing—						
Pen, bow, single jointed, $2\frac{3}{8}$ -inch					1	
Pencil, bow, single jointed, $2\frac{3}{8}$ -inch					1	
Shifting leg, single jointed, 6-inch					1	
Pen, ruling, common, 6-inch					1	
Pencil, H					1	
Pencil, compass, small					1	
Protractor, ivory, rectangular, 6-inch, B					1	
Ruler, parallel, common, 6-inch					1	

687

Case, drawing instruments, musketry instructors, filled.

Case, drawing instruments, musketry instructors, empty	1
Bottle, ink, metal	1
Compass, drawing, shifting leg, single jointed, 6-inch	1
Holder, pen	1
Indiarubber, piece, 2 inches by 1 inch by $\frac{3}{8}$ inch	1
Nibs, pen dozen	2
Pencil, H	1
Protractor, ivory, rectangular, 6-inch, B	1
Skin, asses, piece, $6\frac{1}{2}$ inches by 8 inches	1

Case, drawing instruments, spring bow, filled.

	No.
Case, drawing instruments, spring bow, empty	1
Compass, drawing—	
Pen, spring bow	1
Pencil, spring bow	1
Divider, spring bow	1

Roll, drawing instruments, Royal Engineers, filled.

Roll, drawing instruments, Royal Engineers, empty....	1
Compass, drawing—	
Pen, bow, double jointed, $2\frac{3}{8}$ -inch	1
Pencil, bow, double jointed, $2\frac{3}{8}$ -inch	1
Shifting leg, double jointed, 6-inch	1
Divider, mathematical, 5-inch....	1
Key, compass, large	1
Lead—	
No. 4	1
No. 5	1
Pen, ruling, jointed nib—	
5-inch	1
6-inch	1
Pencil, HH	1
Protractor, ivory, rectangular, 6-inch, B	1
Ruler, parallel, common, 6-inch	1

12128.—Tapes, measuring—

100 feet, Mark III.	..	} In leather box.
66 feet, Mark III.	..	
50 feet, Mark III.	..	

Strengthening of patterns.

§ 11942 cancelled.

6th Aug. 1903.

57

Gen. No.

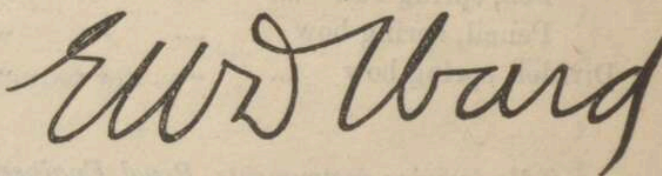
3505

§ 11942 is hereby cancelled, and the following substituted:—

With reference to § 6177:—The sealed patterns of the above-mentioned tapes have been strengthened in the following manner to govern future manufacture:—

They are bound at each end with pigskin securely sewn on, and have the brass tap at the loop end fixed by two brass rivets instead of by an eyelet as formerly; the eyelet which formerly secured the folding over at the spindle end is now dispensed with.

By order of the Army Council,



WAR OFFICE,

1st April, 1904.

ERRATA.

§ 8924. Page 414, Vol. XIX.—

Remarks column. Opposite "Plates, insulating, square"—

After "Existing stock to be used up,"*Add* "for such purpose as may be found suitable, but cannot be used in lieu of 'Plates; insulating, circular.'"

§ 11867. Page 458, Vol. XXII.—

Can, lubricating, No. 10—

Details appended to nomenclature—

For "Tin, seamless," *read* "Steel, seamless."

§ 11959. Page 538, Vol. XXII.—

Stores per carriage—

For "Strap, securing, $\frac{3}{4}$ inch by 18 inches,"*Read* "Strap, securing, $\frac{3}{4}$ inch by 22 inches."

1st March 1904. § 12006. Page 584, Vol. XXII.—

54

Artillery

1652

Wagon, ammunition, B.L. 12-pr. 6 cwt., Mark II.—

First line of text—

Delete "Certain."